

ABSTRACT

A triaxial woven structure is provided including a first rigid member having a serpentine shape comprising a first plurality of peaks and a first plurality of troughs. A second rigid member has a serpentine shape comprising a second plurality of peaks and a second plurality of troughs. A peak of the first rigid member is disposed within a trough of the second rigid member. A third rigid member has a substantially linear shape and is disposed within a trough of the first rigid member and a peak of the second rigid member.